



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

April 8, 2010

Sent Via US Mail and Email - mgurley@republicservices.com

Mr. Mike Gurley
Environmental Manager
Republic Services Inc.
5105 Morehead Road
Concord, NC 28027

Re: *Water Quality Assessment Plan Submittal*
Charlotte Motor Speedway V Landfill, Cabarrus County, Permit #13-04

Dear Mr. Gurley:

The Solid Waste Section has completed a review of the *Water Quality Assessment Plan Submittal* dated March 19, 2010 and submitted by Herst & Associates, Inc. for the lined Charlotte Motor Speedway V Landfill. The *Water Quality Assessment Plan Submittal* was submitted in response to a letter dated January 28, 2010 issued by the Solid Waste Section. The landfill began Assessment Monitoring pursuant to 15A NCAC 13B .1634 following confirmation of Appendix I volatile organic compounds detected during the October 2004 groundwater sampling event. Currently, Appendix II groundwater monitoring is being conducted at the facility on an annual basis.

The *Water Quality Assessment Plan Submittal* includes the following proposed actions: sewer line examination, headspace methane monitoring within the groundwater monitoring wells, geochemical evaluation of groundwater and leachate, and installation of groundwater monitoring wells located downgradient of the wells of concern.

The proposed timeline for the proposed actions is as follows:

May 2010 (Concurrent with the First Semiannual 2010 Event)

- Monitor headspace in groundwater monitoring wells MW-18A, MW-19, MW-19A, MW-20B, and MW-25 for methane.
- Analyze leachate and groundwater samples from MW-18A, MW-19, MW-19A, MW-20B, and MW-25 for leachate indicator parameters for a geochemical evaluation.
- Conduct a sewer line examination.

July/August 2010

- Submit Status Summary Report upon receipt/review of May 2010 event data.

November 2010 (Concurrent with the Second Semiannual 2010 Event)

- Install new groundwater monitoring wells MW-18AR, MW-19R, and MW-19AR, located farther downgradient from the edge of waste.
- Sample the new groundwater monitoring wells for the Appendix I list of constituents.

January/February 2011

- Submit Status Summary Report upon receipt/review of November 2010 event data.

As a result, the *Water Quality Assessment Plan Submittal* is approved as described. If you have any questions or concerns regarding this letter, please contact me at 919-508-8500 or by email at jaclynne.drummond@ncdenr.gov. Thank you for your anticipated cooperation with this matter.

Sincerely,



Jaclynne Drummond
Hydrogeologist
Environmental Compliance
Solid Waste Section

cc via email: Brad Green, General Manager (bgreen@republicservices.com)
Steve Jett, Herst & Associates (sjett@herstassociates.com)
Mark Poindexter, Field Operations Supervisor
Deb Aja, Western District Supervisor
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